

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A lithium electrochemical cell, comprising:  
an electrolyte comprising:  
a mixture of solvents comprising:  
propylene carbonate;  
dimethoxyethane; and  
a salt mixture comprising:  
lithium trifluoromethanesulfonate; and  
lithium trifluoromethanesulfonimide,  
wherein the cell contains from about 100 to 1500 ppm by weight of sodium.
2. (Original) The cell of claim 1, wherein the cell contains less than 1200 ppm by weight of sodium.
3. (Original) The cell of claim 1, wherein the cell contains less than 1000 ppm by weight of sodium.
4. (Original) The cell of claim 1, wherein the cell contains less than 800 ppm by weight of sodium.
5. (Original) The cell of claim 1, wherein the cell contains less than 600 ppm by weight of sodium.
6. (Previously Presented) A lithium electrochemical cell, comprising:

an electrolyte comprising:

a mixture of solvents comprising

40-80% by weight of dimethoxyethane; and

20-60% by weight of propylene carbonate; and

a salt mixture comprising:

lithium trifluoromethanesulfonate; and

lithium trifluoromethanesulfonimide, wherein the salt mixture has a

concentration between 0.4 M and 1.2 M in the mixture of solvents, and

wherein the cell contains from about 100 to 1500 ppm by weight of sodium.

7. (Original) The cell of claim 6, wherein the mixture of solvents comprises:  
50-75% by weight of dimethoxyethane; and  
25-50% by weight of propylene carbonate.

8-18. (Cancelled)